

ABSTRACT OF THE DISCLOSURE

Elastic roller and process for producing elastic roller. The elastic roller includes a hard roller core and an elastic coating layer at an outer side of the hard roller core. The elastic coating layer includes an elastic matrix material and fillers imbedded in the matrix material, and at least a portion of the fillers include metallic fillers. The process includes combining at least one metallic filler into an elastic matrix material and applying the combined elastic matrix material and at least one metallic filler onto an outer side of the hard roller core to form an elastic coating layer.